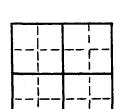
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(SUBMIT IN DUPLICATE)

STATE OF UTAH OIL & GAS CONSERVATION COMMISSION

STATE CAPITOL BUILDING SALT LAKE CITY 14, UTAH

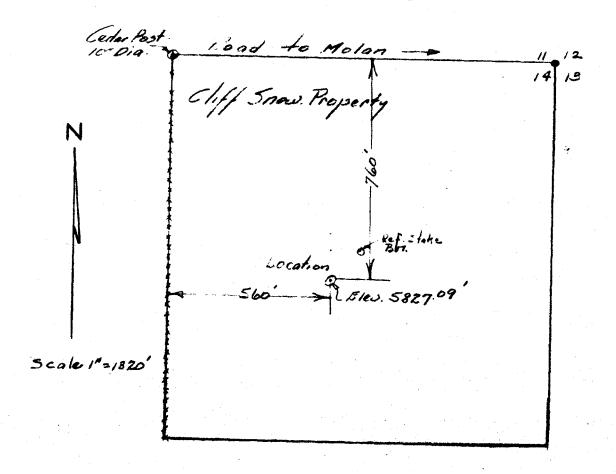
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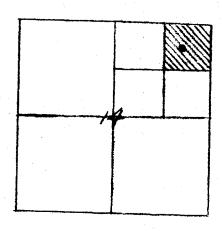
SUNDRY NOTICES AND REPORTS ON WELLS

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	to Drill			Report of Wat		
	to Change Plans			Report of Alte		
	to Redrill or Repair.			Report of Red		
	to Pull or Alter Casi		∐Supplement	ary Well Histo	ory	
otice of Intention	to Abandon Well		71			6.
	(INDICATE ABOVE	BY CHECK MARK NAT	JRE OF REPORT, NOT	November 7		, 19.57
Well No. Fee 1-	-14 is located 19	80 ft. from	line and	2300 ft. from	$\left\{ egin{array}{c} lackbox{X} \\ \mathbf{W} \end{array} \right\}$ line of	Sec. 14
C-NE-SW	T.20	s.				ake Meridia
(1/4 Sec. and Sec. No. Ferron)	(Twp.) Emery		(Range)	Uta	feridian)
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INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

TOWNSHIP 20 SOUTH, RANGE TEAST. S.L.M. EMERY COUNTY





AMERICAN PETROFINA CO.

WELL LOCATION NEWNEW;

SECTION. 14, T203, RTE.

EMERY COUNTY UTAH.

11/19/57.

JUNUAY BY John Bene LE.

GRAH. #1050.

Jack occins + Vallerson of UM. Vef. tell me the loc as submitted is in evror. They will oubuit a new Noft to drill locating Well ## 1980 from 5 4 1980 from W of See 14 He quest for approval of bond was Deut their Dallas office lastweek Bond should be back and Submitted shortly. Then we can approve -Chas. 11/12/57

(SUBMIT IN DUPLICATE)



LAND:

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STATE OF UTAH OIL & GAS CONSERVATION COMMISSION

STATE CAPITOL BUILDING
SALT LAKE CITY 14, UTAH

Fee and Patented
State
Lease No
Public Domain
Lease No
Indian
T 37

5	SUNDRY 1	NOTICES A	ND	REPORT	S ON	WELLS
Notice of Intenti Notice of Intenti Notice of Intenti	ion to Change Pl ion to Redrill or ion to Pull or Al	lans Repair ter Casing Well		Subsequent Repo Subsequent Repo Supplementary V	ort of Alte ort of Red Well Histo	ring Casingrilling or Repairry
	(INDIC	CATE ABOVE BY CHECK MARK	NATUR	E OF REPORT, NOTICE, OF	OTHER DATA)	
			_	Decembe	er 10	
Well No. Fee	1-14 is locat	ed <u>660</u> ft, from				{E } line of Sec. 14
C-NE-NE 14	L	20 South	` ,	7 East		. ,
(¼ Sec. and Sec.	. No.)	(Twp.)		(Ra	inge)	(Meridian)
		Emery Cou		Subdivision)		Utah (State or Territory)
(State names of a jobs, cementing p An of 8 5/8** - 2	and expected depths oints, and all other 800° Ferron S 24 lb. surface event of obta	s to objective sands; she important work, surf Sand test is programmer will be run an	LS (now single for sin	DF WORK zes, weights, and lead remation, and date and date and date and date and date and determined to sure the control of t	ngths of pro inticipate sp ry Tools face. lb. casi:	posed casings; indicate mudding udding-in.) • Approximately 150* ng will be run on
		must receive approval				e operations may be commenced.
Address	366 South 5th	East		By Stanley	H. Colli	ns
	Salt Lake City	y, Utah	,	Title Geologis	t	
INCODICONO	. A14	(1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

AMERICAN PETROFINA COMPANY OF TEXAS

Division of American Petrofina, Incorporated
366 south fifth East
SALT LAKE CITY, UTAH
December 10, 1957



Oil & Gas Conservation Commission State Capitol Building Salt Lake City 14, Utah

Gentlemen:

Enclosed please find a Notice of Intention and the required drilling and plugged bond for projected No. Fee 1-14 test at Ferron.

Please disregard and destroy the previous Notice of Intention as it was in error.

Very truly yours,

AMERICAN PETROFINA OF TEXAS

R. H. Collins

Stanley H. Collins

Geologist

SHC/lp

Enclosure

December 11, 1957

American Petrofina Company of Texas & English Oil Company 366 South 5th East Salt Lake City. Utah

Attention: Stanley H. Collins, Geologist

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Fee 1-14, which is to be located 660 feet from the north line and 660 feet from the east line of Section 14, Township 20 South, Range 7 East, SLEM, Emery County, Utah.

Please be advised that approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Please take note that should it be necessary to plug and abandon said well you are hereby requested to give advance notice of the date and time said plugging will take place to one of the following named individuals by phone or otherwise, in order that our Petroleum Engineer may be present to inspect the manner in which the well is being plugged.

- C. A. HAUPTMAN, Petroleum Engineer, Office phone: DA 2-4721, Ext. 438
 Home phone: EM 4-6790
- C. B. FEIGHT, Office phone: DA 2-4721, Ext. 438
 Home phone: EE 5-3629

Address all other forms of communication to the Oil & Gas Conservation Commission, Room 140, State Capitol Building, Salt Lake City, Utah.

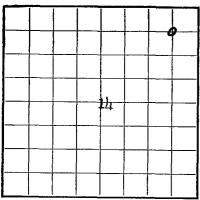
Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT SECRETARY

CBF:en

ce: DR-USGS



STATE OF UTAH OIL & GAS CONSERVATION COMMISSION

State Capitol Building Salt Lake City 14, Utah

То	be	kept	Confidential	until _	·		.f=1		
				(Not to	exceed 4	4 months	after	filing	date)

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Lease	or Tract	Fee 1	_ease		Field	Ferron	State	Ut	ah	
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1/28	1./1#	125			Haliburton	Prm59"-9#	-			



8 5

Adapters—	-Material			G RECORD		
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· •		·			and the second second	
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860	92	1	61	Shale, bl	ack, soft.	
	195 P			Top Ferro Base Ferro		(Electric Log) (Electric Log)

[OVER]

At the end of complete Driller's Log, add Geologic Tops. State whether from Electric Logs or samples.

8561 Z J d38



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HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Well was spudded 12/13/57 and a 7 7/8" hole was drilled to a total depth of 921. 8 5/8" - 24# - J-55 surface pipe was run to 157! and cemented with 110 sacks of cement. Top of Ferron sand is 701! and base of sand is 858!. 5 1/2" - 14# - J-55 production string was run to 920! and cemented with 125 sacks of cement.

Nippled up 5 1/2" casing, ran 2" EUE tubing to depth of 763'. Perforated interval 772'-794' with 5 shots/foot. Fraced well with 3 pumps on casing and one pump on tubing; used 5,000 gallons diesel oil, with 1/10# gallon Adomite and 5,000 lbs. 20-40 mesh sand; then injected 70 rubber ball sealers followed by 5,000 gallons diesel oil and 5,000# sand. Average injection rate 24.3 bbls/min. Shut in $17\frac{1}{2}$ hrs. Flowed 125 barrels fluid in 24 hours on 16/64" & 13/64" chokes. Recovered 65 bbls. load oil and 60 bbls. salt water. Flowed 57 bbls. salt water in 7 hours on 18/64" choke, tubing pressure 30# psi, casing pressure 150# psi.

Ran Haliburton DC squeeze packer bridge plug, set at 744. Squeezed 48 sacks cement with maximum pressure of 1,000# psi. Reversed out mud in hole with water, ran tubing in hole open ended, set at 664. Perforated with Jet tubing gun @ 700!-720! with 5 shots/foot. No measurable amount of gas. Swabbed water out of hole, no measurable amount of gas. Shut well in 2 hours, no fluid. Acidized w/500 gallons MCA, breakdown pressure 1700# psi.

Fraced well with 5000 gallons Diesel oil and 5000# - 20 - 40 mesh sand - Inj. Pressure 1400# psi. Injected 50 rubber ball sealers, followed with 5000 gallons diesel, and 5000# sand. Injection pressure 1500# psi. Shut in well 4 hours. Flowed well 20 hours on 16/64" choke. Recovered 100 barrels frac oil. Recovered no water.

Gauged an estimated 300,000 c.f.g./d from interval 700'-720' after frac. Well presently shut-in waiting an market.

TESTING RECORD TO SIZE OF HOLE FORMATION COLOR MARDNESS FEET DRILLED R REAMING—CORING RECORD FROM TO LENGTH CORE BBL. FORMATION CORE NO. TESTING RECORD TESTING RECORD TESTING RECORD TESTING RECORD SIZE THREAD WEIGHT NO. JTS. FORMATION SEAT DEPTH REMARKS THREAD WEIGHT NO. JTS. FORMATION SEAT DEPTH REMARKS TANDS JOURLE STANDS JOURNE STANDS	DERRICK FLOC							
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DRILLING REPORT DATE 123

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AMERICAN LIBERTY OIL COMPANY DRILLING REPORT DISTRICT __LEASE WELL NO._____ELEVATION DERRICK FLOOR DATE ACTUAL DRILLING COMMENCED 1/2 / 1/3 / ATE WELL COMPLETED FORMATION RECORD FORMATION COLOR FROM TO SIZE OF HOLE HARDNESS FEET DRILLED REMARKS REAMING-CORING RECORD LENGTH CORE BBL. FORMATION CORE NO. RECOVERY FROM TO TESTING RECORD TESTER NO. JTS. WATER MUD TIME REMARKS OIL FROM TO CASING AND TUBING RECORD SIZE THREAD WEIGHT NO. JTS. FORMATION SEAT DEPTH REMARKS MEASUREMENTS STANDS DOUBLE SINGLE DRILL COLLAR BIT DOWN ON KELLEY MUD WEIGHT

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DRILLING REPORT

DATE 12/10/10/19

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AMERICAN LIBERTY OIL COMPANY

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AMERICAN PETROFINA COMPANY OF TEXAS

DIVISION OF AMERICAN PETROFINA, INCORPORATED

366 SOUTH FIFTH EAST

SALT LAKE CITY, UTAH



January 2, 1958

Utah Oil & Gas Conservation Comm. State Capitol Building Salt Lake City, Utah

Gentlemen:

Attached please find surveyed plat for the Fee 1-14

well, C NE NE, Section 14, T. 20 S., R. 7 E.

Yours truly,

AMERICAN PETROFINA OF TEXAS

S. K. Collin

Stanley H. Collins

Geologist

SHC/lp

Enclosure

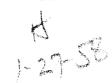


LAND:

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STATE OF UTAH OIL & GAS CONSERVATION COMMISSION

STATE CAPITOL BUILDING SALT LAKE CITY 14, UTAH



ree and Patented
State
Lease No
Public Domain
Lease No
Indian
Loope No

SUNDRY NOTICES AND REPORTS ON WELLS

Subsequent Report of Water Shut-off Notice of Intention to Change Plans. Notice of Intention to Change Plans. Notice of Intention to Redrill or Repair Notice of Intention to Pull or Alter Casing Notice of Intention to Pull or Alter Casing Notice of Intention to Pull or Alter Casing Notice of Intention to Abandon Well. January 1L		THE SELECTION OF THE SE	
Notice of Intention to Change Plans. Notice of Intention to Redrill or Repair. Notice of Intention to Pull or Alter Casing. Notice of Intention to Alter Mark Nature of Repair Intention of Texas - English Oil Address. 366 South 5th East Notice of Intention to Alter Casing. Notice of Intention of Texas - English Oil Address. 366 South 5th East Notice of Intention of Texas - English Oil Act of Intention of Intention Intention of Texas - English Oil Address.	Notice of Intention to Drill.	Subsequent Report of Water Shut-off	
Notice of Intention to Pull or Alter Casing Notice of Intention to Abandon Well. January 14			
Well No. Fee 1-14 is located 660 ft, from Notice of Report, Notice of Other Data) C NE NE - 14 T. 20 S. R. 7 R. ((K See and See No.) (Twp.) (Range) (Mentalian) Ferron Emery County Utah (First) (State arriver) The elevation of the derrick floor above sea level is 5840 feet. A drilling and plugging bond has been filed with State Conservation Commission DETAILS OF WORK (State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.) Well was drilled to a total depth of 923°. Top of the Ferron Sand is 702°. Followiare Drill Stem Test Data: 1- DST 702°-794°: Op. 1 hour, 15 min., S.I. 30 min. Gas to surface in 4 min., gave 7,000 cu.ft.gas/day. Recovered 189° gas and water cut mud. FP 70# psi; SIP 290# psi; it 290# psi. 2- DST 665°-794°: Op. 1 hr., S.I. 30 min. Gas to surface in 4 min., gauged 12,000 cu.ft.gas/day. Recovered 155° gas & water cut mud. FP 50# psi; SIP 290# psi; hdr. 290# 3- DST 794°-917°: Op. 1 hr., S.II. 30 min. Gas to surface in 4 min., gauge 54,000 cu.ft.gas/day. Rec. 72° gas cut mud. FP 40# psi; SIP 290# psi; hdr. 290# 51. Following are core descriptions: Core #1: 693°-734°. Recovered 41°. 9° of black carbonaceous shale and 32° of sand fine to med. grain. Core #2: 734°-794°. Rec. 60°. 1° shale, black, 59° sand to siltst medical medic	Notice of Intention to Redrill or Repair	Subsequent Report of Redrilling or Repair	_
(Modicate Above by Check Mark Nature of Report, Notice, or other Data) January 14 , 19.58 Well No. Fee. 1-14 is located .660 ft. from [N] line and .660 ft. from [E] line of Sec. 14	Notice of Intention to Pull or Alter Casing	Supplementary Well History	X
Well No. Fee 1-14 is located .660 ft. from No. line and .660 ft. from Elline of Sec. 14 C NE NE - 14 T. 20 S. R. 7 E. (Marge) (Maridian) Ferron Emery County Utah (Sinte Territory) The elevation of the derrick floor above sea level is .5849 feet. A drilling and plugging bond has been filed with .State Conservation Commission DETAILS OF WORK (State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.) Well was drilled to a total depth of 923'. Top of the Ferron Sand is 702'. Followiare Drill Stem Test Data: 1- DST 702'-794': Op. 1 hour, 15 min., S.I. 30 min. Gas to surface in 4 min., gauged 12,000 cu.ft.gas/day. Recovered 189' gas and water cut mud. FP 70# psi; SIP 290# psi; it 290# psi. 2- DST 661-794': Op. 1 hr., S.I. 30 min. Gas to surface in 4 min., gauged 12,000 cu.ft.gas/day. Recovered 155' gas & water cut mud. FP 50# psi; SIP 290# psi; it 7000 cu.ft.gas/day. Recovered 155' gas a water cut mud. FP 50# psi; SIP 290# psi; it 7000 cu.ft.gas/day. Recovered 155' gas cut mud. FP 50# psi; SIP 290# psi; it 7000 cu.ft.gas/day. Recovered 157' gas cut mud. FP 50# psi; SIP 290# psi; it 7000 cu.ft.gas/day. Recovered 157' gas cut mud. FP 50# psi; SIP 290# psi; it 7000 cu.ft.gas/day. Recovered 157' gas cut mud. FP 50# psi; SIP 290# psi; it 7000 cu.ft.gas/day. Recovered 157' gas cut mud. FP 50# psi; SIP 290# psi; it 7000 cu.ft.gas/day. Recovered 157' gas cut mud. FP 50# psi; SIP 290# psi; it 7000 cu.ft.gas/day. Recovered 157' gas cut mud. FP 50# psi; SIP 290# psi; it 7000 cu.ft.gas/day. Recovered 157' gas cut mud. FP 50# psi; SIP 290# psi; it 7000 cu.ft.gas/day. Recovered 150 min., S.I. 30 min. Gas to surface in 4 min., gauged 12,000 cu.ft.gas/day. Recovered 157' gas cut mud. FP 50# psi; SIP 290# psi; it 7000 cu.ft.gas/day. Recovered 150 min. S.I. 30 min. Gas to surface in 4 min. gauged 12,000 cu.ft.gas/day. Recovered 150 min. S.I. 30 min. Gas	Notice of Intention to Abandon Well		\dashv
Well No. Fee 1-14 is located .660 ft. from [N] line and .660 ft. from [E] line of Sec. 14 C NE NE - 14 T. 20 S. R. 7 E. (Mentale) (Mentalea) Ferron Emery County Utah (State or Territor) The elevation of the derrick floor above sea level is .5840 feet. A drilling and plugging bond has been filed with .State .Conservation .Commission DETAILS OF WORK (State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding in.) Well was drilled to a total depth of 923. Top of the Ferron Sand is 702. Followiare Drill .Stem Test Data: 1- DST 702.794; Op. 1 hour, 15 min., S.I. 30 min. Gas to surface in 4 min., gauged 12,000 cu.ft.gas/day. Recovered 189; gas and water cut mud. FP 70# psi; SIP 290# psi; Hydr. 290# 3- DST 765; -794; Op. 1 hr., S.I. 30 min. Gas to surface in 4 min., gauged 12,000 cu.ft.gas/day. Recovered 155; gas & water cut mud. FP 50# psi; SIP 290# psi; Hydr. 290# 3- DST 794; Op. 1 hr., S.I. 30 min., S.I. 30 min. Gas to surface in 4 min., gauged 12,000 cu.ft.gas/day. Recovered hir. 50 min., S.I. 30 min. Gas to surface in 4 min., gauged 54,000 cu.ft.gas/day. Rec. 72; gas cut mud. FP 40# psi; SIP 290# psi; Hydr. 360# psi. Following are core descriptions: Core #1: 693:-734; Recovered hir. 9! of black carbonaceous shale and 32! of sand fine to med. grain. Core #2: 734; Tol.; Rec. 60: 1! shale, black, 59! sand to siltst medical Matchail Hand Falls and Content of the content o			\exists
Well No. Fee 1-14 is located 660 ft. from No. line and 660 ft. from Ex. line of Sec. 14. C. NE. NE. 14 T. 20 S. R. 7 E. (Yap.) (No. 14. Ferron Emery County Utah (County of Subblivition) The elevation of the derrick floor above sea level is 5840 feet. A drilling and plugging bond has been filed with State Conservation Commission DETAILS OF WORK (State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.) Well was drilled to a total depth of 923 T. Top of the Ferron Sand is 702 T. Followia are Drill Stem Test Data: 1 DST 702 T-794 Op. 1 hour, 15 min., S.I. 30 min. Gas to surface in 4 min., gar 7,000 cu.ft.gas/day. Recovered 189 gas and water cut mud. FP 70# psi; SIP 290# psi; Hy 290# psi 2 DST 665 T-794 Op. 1 hr., S.I. 30 min. Gas to surface in 4 min., gauged 12,000 cu.ft.gas/day. Recovered 155 gas & water cut mud. FP 50# psi; SIP 290# psi; Hydr. 290# 3 DST 794 T-917: Op. 1 hr. 50 min., S.I. 30 min. Gas to surface in 4 min., gauged 12,000 cu.ft.gas/day. Recovered 151 gas & under cut mud. FP 50# psi; SIP 290# psi; Hydr. 290# 3 DST 794 T-917: Op. 1 hr. 50 min., S.I. 30 min. Gas to surface in 4 min., gauged 12,000 cu.ft.gas/day. Rec. 72 gas cut mud. FP 40# psi; SIP 45# psi; Hydr. 360# psi. Following are core descriptions: Core #1: 693 T-734 Recovered 41 9 for black carbonaceous shale and 32 of sand fine to med. grain. Core #2: 734 T-794 Rec. 60: 1 shale, black, 59 sand to siltst medden filled attached and account and recovered and recove	(INDICATE ABOVE BY CHECK MARK N	NATURE OF REPORT, NOTICE, OR OTHER DATA)	
C NE NE - 14 T. 20 S. R. 7 E. (Nerdise) (Nerdise) Ferron Emery County (County or Subdivision) (State or Territory) The elevation of the derrick floor above sea level is 5840 feet. A drilling and plugging bond has been filed with State Conservation Coumission DETAILS OF WORK (State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.) Well was drilled to a total depth of 923. Top of the Ferron Sand is 702. Following Drill Stem Test Data: 1- DST 702. 794: Op. 1 hour, 15 min., S.I. 30 min. Gas to surface in 4 min., gauged 12,000 cu.ft.gas/day. Recovered 189; gas and water cut mud. FP 70# psi; SIP 290# psi; Hydr. 290# 3- DST 665. 794: Op. 1 hr., S.I. 30 min. Gas to surface in 4 min., gauged 12,000 cu.ft.gas/day. Recovered 155; gas & water cut mud. FP 50# psi; SIP 290# psi; Hydr. 290# 3- DST 794. 917: Op. 1 hr. 50 min., S.I. 30 min. Gas to surface in 4 min., gauged 12,000 cu.ft.gas/day. Recovered 41. 9: of black carbonaceous shale and 32 of sand fine to med. grain. Core #1: 633. 734. Recovered 41. 9: of black carbonaceous shale and 32 of sand fine to med. grain. Core #2: 734. Recvered 41. 9: of black carbonaceous shale and 32 of sand fine to med. grain. Core #2: 734. Recvered 41. 9: of black carbonaceous shale and 32 of sand fine to med. grain. Core #2: 734. Recvered 41. 9: of black carbonaceous shale and 32 of sand fine to med. grain. Core #2: 734. Recvered 41. 9: of black carbonaceous shale and 32 of sand fine to med. grain. Core #2: 734. Recvered 41. 9: of black carbonaceous shale and 32 of sand fine to med. grain. Core #2: 734. Recvered 41. 9: of black carbonaceous shale and 32 of sand fine to med. grain. Core #2: 734. Recvered 41. 9: of black carbonaceous shale and 32 of sand fine to med. grain. Core #2: 734. Recvered 41. 9: of black carbonaceous shale. Company. American Petrofina of Texas - English Oil Address. 366 South 5th East		January 14 , 19 58	
Enery County (County or Subdivision) The elevation of the derrick floor above sea level is	Well No. Fee 1-14 is located 660 ft. from	$\{N\}$ line and660 ft. from $\{E\}$ line of Sec14	
Emery County (County or Subdivision) The elevation of the derrick floor above sea level is	C NE NE - 14 T. 20 S.	R. 7 E.	
The elevation of the derrick floor above sea level is	(1/4 Sec. and Sec. No.) (Twp.)	(Range) (Meridian)	
The elevation of the derrick floor above sea level is			
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DETAILS OF WORK (State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.) Well was drilled to a total depth of 923. Top of the Ferron Sand is 702. Following are Drill Stem Test Data: 1- DST 702.794: Op. 1 hour, 15 min., S.I. 30 min. Gas to surface in 4 min., gave 7,000 cu.ft.gas/day. Recovered 189. gas and water cut mud. FP 70# psi; SIP 290# psi; Hy 290# psi. 2- DST 665.794: Op. 1 hr., S.I. 30 min. Gas to surface in 4 min., gauged 12,000 cu.ft.gas/day. Recovered 155. gas & water cut mud. FP 50# psi; SIP 290# psi; Hydr. 290# 3- DST 794.917: Op. 1 hr., 50 min., S.I. 30 min. Gas to surface in 4 min., gauged 14,000 cu.ft.gas/day. Rec. 72. gas cut mud. FP 40# psi; SIP 455# psi; Hydr. 360# psi. Following are core descriptions: Core #1: 693.734. Recovered 41. 9. of black carbonaceous shale and 32. of sand fine to med. grain. Core #2: 734.794. Rec. 60. 1. shale, black, 59. sand to siltst mediateral dual strang pan of Work Midst receive approved in Working by the Commission before operations may be commenced. Rec. 23. 15. of gray siltstone, 6. black carbonaceous shale. Company American Petrofina of Texas - English Oil Address. 366 South 5th East By Stanley H. Collins	The elevation of the derrick floor above sea level is	s 5840 feet.	
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2- DST 665:-794:: Op. 1 hr., S.I. 30 min. Gas to surface in 4 min., gauged 12,000 cu.ft.gas/day. Recovered 155: gas & water cut mud. FP 50# psi; SIP 290# psi; Hydr. 290# 3- DST 794:-917: Op. 1 hr. 50 min., S.I. 30 min. Gas to surface in 4 min., gauge 54,000 cu.ft.gas/day. Rec. 72: gas cut mud. FP 40# psi; SIP 455# psi; Hyd. 360# psi. Following are core descriptions: Core #1: 693:-734: Recovered 41: 9: of black carbonaceous shale and 32: of sand fine to med. grain. Core #2: 734:-794: Rec. 60: 1: shale, black, 59: sand to siltst mediaterational sand material materials and siltstone. Core #4: 844: Rec. 23: 15: of grasy siltstone, 6: black carbonaceous shale. Company. American Petrofina of Texas - English Oil Address. 366 South 5th East By. Stanley H. Collins	7,000 cu.ft.gas/day. Recovered 189 gas a		
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fine to med. grain. Core #2: 734'-794'. Rec. 60'. 1' shale, black, 59' sand to siltst med and siltstone. Core #4: 8/4'. Rec. 23'. 15' of gray siltstone, 6' black carbonaceous shale. Company American Petrofina of Texas - English Oil Address 366 South 5th East By Stanley H. Collins	Following are core descriptions:		
Address 366 South 5th East By Stanley H. Collins	fine to med. grain. Core #2: 7341-7941. medadetsafinatsmaina of work #3: receive approval	Rec. 601. 1 shale, black, 59 sand to siltstone. Core #4: 8441.	, ne, -867
Address 366 South 5th East By Stanley H. Collins	Company American Petrofina of Texas - Er	inglish Oil	
		By Stanley H. Collins	
Title Geologist	Salt Lake City, Utah	Title Geologist	

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.



10

(SUBMIT IN-DUPLICATE)

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

CATE)

LAND:

Fee and PatentedX
State
Lease No.
Public Domain

STATE CAPITOL BUILDING SALT LAKE CITY 14, UTAH



Lease	No.	
Indian		
Lease	No.	

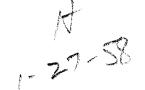
SUNDRY	NOTICES AND	D REPORTS O	N WELLS	
Notice of Intention to Drill Notice of Intention to Change Notice of Intention to Redrill Notice of Intention to Pull or Notice of Intention to Abando	Plans or Repair Alter Casing	Subsequent Report of Subsequent Report of Supplementary Well F	Water Shut-off	X
(11	NDICATE ABOVE BY CHECK MARK NAT	URE OF REPORT, NOTICE, OR OTHER	DATA)	
		January 20	<u>) </u>	58
Well No. Fee 1-14 is loc	eated 660 ft. from (X			
C NE NE	20 South	7 East		
(1/4 Sec. and Sec. No.)	(Twp.)	(Range)	(Meridian)	
Ferron (Field)		nty or Subdivision)	Utah (State or Territory)	
2" EUE tubing at 765' as shots per foot. Swab enhole with diesel fuel as Adamite and 5000# sand; Dropped 70 rubber balls 1575# psi. Followed wis injection rate 24.3 bars fluid of which 65 barres amount of gas. Flowed 18/64# choke. T.P. 30# rig.	DETAILS oths to objective sands; show ther important work, surface 14# casing to total and ran Schlumberger very 4 hours, recovered fraced well as fo Breakdown pressure, pressure increased the an additional 500 rels/minute. Flow fls of load oil and 6 an additional 7 hour psi. C.P. 150# psi	of WORK sizes, weights, and lengths of formation, and date anticipal depth and cemented work and lengths of the large of water lows: Pump 5000 gas 1350# psi; injection to 1600# psi, with 0 gallons of diesel or 24 hours with a modern of barrels of salt was, recovered 57 barre. Well is now shut	f proposed casings; indicate mate spudding-in.) with 122 sxs cement. Ing from 772'-794' with er. S.I.P. 390# psi. allons of diesel with a rate 26 barrels/minute a gradual breakdown and 500# sand. Average are, with no measural rels of salt water on in waiting on workovers.	Landed th 5 Leaded 1/10# ute. to age ls of ble
I understand that this plan of we				
Company American Fetr	orma-rugilish Oll	S.U.Co	lliur	
Company American Petr Address 366 South 5th	East	By Stanley H. Co	ollins	
	y, Utah			
INSTRUCTIONS: A plat of ma	n must be attached to this f	orm showing the location of	all leases property lines dwilli	ing and

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

AMERICAN PETROFINA COMPANY OF TEXAS

DIVISION OF AMERICAN PETROFINA, INCORPORATED 366 SOUTH FIFTH EAST SALT LAKE CITY, UTAH

January 20, 1958





Utah Oil & Gas Conservation Commission State Capitol Building Salt Lake City, Utah

Gentlemen:

Enclosed is a supplementary well history for our

Fee 1-14 test in the Ferron field, Emery County, Utah.

Yours truly,

AMERICAN PETROFINA OF TEXAS

Stanley H. Collins Co Geologist

SHC/lp

Enclosure

DRILLING REPORT

								DATE	8/3/5	58		
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COMPANY REPRESENTATIVE

POOR GOPW

DRILLER

September 11, 1958

American Petrofina Company of Texas 366 South 5th East Salt Lake City, Utah

> Re: Well No. Fee 1-14, Sec. 14, T. 20 S, R. 7 E, SLEM, Emery County, Utah

Gentlemen:

This letter is to advise you that the well log for the above mentioned well has not as yet been filed with this office as required by our rules and regulations.

Please complete the enclosed Forms OGCC-3, Log of Oil or Gas Well, in duplicate, and forward them to this office as soon as possible.

Yours very truly,

OIL & GAS COMSERVATION CONGUSSION

CLEON B. FEIGHT SECRETARY

CEF: co

Encl. (Forms OGCC+3)



TELEPHONE: DAvis 2-2583

September 16,1958

Oil & Gas Conservation Commission State Capitol Building Salt Lake City 14, Utah

Attention: Cleon B. Feight, Secretary

Gentlemen:

Re: Well No. Fee 1-14,

Sec. 14 T. 20 S, R. 7 E, SLBM, Emery County, Utah

Enclosed herewith is your Form OGCC-3, Log of Oil or Gas Well, in duplicate, as per your request of September 11, 1958. Your letter was addressed to American Petrofina Company of Texas, but since this well is a joint well, English Oil Company is taking the liberty of answering it.

Yours very truly,

ENGLISH OIL COMPANY

Q. N. Colem

Stanley H. Collins Chief Geologist

SHC: jct encl.



TELEPHONE: DAvis 2-2583

June 26, 1961

The State of Utah
Oil and Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake City 11, Utah

Attention: Ann W. Glines, Records Clerk

Dear Madam:

Enclosed please find copies of electric logs which you requested on June 21, 1961 for the following wells:

WELL NO. FEE 1-14 Section 14, T. 20 S., R. 7 E., Emery County, Utah

WELL NO. GOV'T. 1-4 Section 4, T. 21 S., R. 7 E., Emery County, Utah

We are sorry we failed to furnish these to you previously.

Yours very truly,

ENGLISH OIL COMPANY

Robert A. Patterson

Chief Landman

RAP: dle

Enclosures (4)

PACIFIC NATURAL GAS EXPLORATION COMPANY

366 SOUTH FIFTH EAST

SALT LAKE CITY 2, UTAH

November 13, 1962

Mr. Cleon B. Feight,
Executive Director
Utah Oil & Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake City 11, Utah

Re: Well No. State 1-22, Sec. 22, T. 20 S., R. 7 E., Emery County, Utah, and

Well No. Fee 1-14
Sec. 14, T. 20 S., R. 7 E.,
Emery County, Utah

Dear Mr. Feight:

This is in reply to Mr. Paul W. Burchell's letter of October 25, 1962 concerning the subject wells. In Mr. Burchell's letter he requested that the wells be posted and certain clean up work performed in the Ferron Field. On November 5th I was in Ferron and attempted to find a bulldozer to perform the clean up work, but found that the only one in town which does this type of service is presently tied up on previous committments. This bulldozer should be free around the first of December and at that time we will see that these wells are cleaned up.

We have ordered identification signs to be placed on these wells and they should be received in the near future.

Yours very truly,

J.W. Bloom

J. W. Bloom

District Landman

JWB:des

cc: Mr. T. A. Johnson, Jr.
Pacific Natural Gas Exploration Company
720 West Eighth Street
Los Angeles 17, California



CONTINENTAL AGENCY COMPANY INSURANCE AND SURETY BONDS 320 E. 4th SOUTH SALT LAKE CITY, UTAH DIAL DAVIS 8-8117

January 16, 1963

Utah State Oil & Gas Conservation Commission State Capitol Bldg. Salt Lake City, Utah

Re: English Oil Company and American Petrofina, Inc. Bond #C2006 - \$5,000. dated November 7, 1957

Gentlemen:

The above captioned bond covers "all patented land leases held by the Principal in Section 14, Township 20 South, Range 7 East, Salt Lake Meridian, Emery County, Utah.

We are advised that these leases and acreage have been transferred to the Pacific Natural Gas Exploration Company who have a statewide bond.

Under the circumstances, we would appreciate a letter from you, releasing Continental Casualty Company from liability under the above captioned bond as of the date the leases were transferred to Pacific Natural Gas Exploration Company.

Yours very truly,

Underwriting Dept.

 $\mathbf{f}\mathbf{1}$

January 17, 1963

Continental Casualty Company Continental Agency Company 320 East 4th South Salt Lake City, Utah

Attention: Underwriting Dept.

Gentlemen:

We are hereby releasing Bond #C2006 covering patented land in Section 14, Township 20 South, Range 7 East, Salt Lake Meridian, Emery County, Utah.

We find that in checking our files, Pacific Natural Gas Exploration Company has filed a statewide bond which would cover said lease and acreage.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CONNIE F. PALOUKOS RECORDS CLERK

cfp

Form 9-331 (May 1963)	UNITED STATE DEPARTMENT OF THE GEOLOGICAL SU	INTERIOR (Other instructions on re	
(Do not us	SUNDRY NOTICES AND REP se this form for proposals to drill or to deepe Use "APPLICATION FOR PERMIT—"	ORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Not Applicable
	AS FELL X OTHER		7. UNIT AGREEMENT NAME Ferron 8. FARM OR LEASE NAME
3. ADDRESS OF OF	Pacific Natural Gas Explo	ration Company	Fee 9. WELL NO.
4. LOCATION OF W See also space At surface	D. Box 2436, Salt Lake Ci ELL (Report location clearly and in accordance 17 below.)	ty, Utah 84110 e with any State requirements.*	1-14 10. FIELD AND POOL, OR WILDCAT Field
	760' S of NL and 560' W o Sec 14, T 20S, R 7E	f EL	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE4 NE4 Sec 14, T 20S
14. PERMIT NO.		whether DF, RT, GR, etc.)	R 7E 12. COUNTY OB PARISH 13. STATE Emery Utah
16.	Check Appropriate Box To In	ndicate Nature of Notice, Report, or C	Other Data UBNT REPORT OF:
TEST WATER S FRACTURE TRE SHOOT OR ACH	AT MULTIPLE COMPLETE	WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING	REPAIRING WELL ALTERING CASING ABANDONMENT*
(Other)	CHANGE PLANS Rework	(Other) (Note: Report results Completion or Recomp	of multiple completion on Well letion Report and Log form.)
proposed wo nent to this v	rk. If well is directionally drilled, give substrock.)* (See attached propose	all pertinent details, and give pertinent dates, orface locations and measured and true vertice dates, and rework program)	including estimated date of starting any all depths for all markers and zones perti-
		CONSERVATION CO	
		DATE: <u>§-29-65</u>	CHIEF PETROLEUM ENGINEE

ER

Oec. 13, 1957 to a
670 921. THIE Drilling Superintendent DATE (This space for Federal or State office use)

*See Instructions on Reverse Side

PROPOSED REWORK PROGRAM
FOR
FERRON UNIT NO. 1-14
NE¼ NE¼ Sec 14, T 20S, R 7E
Emery County, Utah

Present Mechanical Condition of Well

- 1. 8-5/8" casing cemented at 157'.
- 2. 5-1/2", J-55, 14#/foot casing cemented with 125 sacks at 920'.
- 3. Bridge plug set and cemented inside 5-1/2" casing at 744.
- 4. Perforated 5 holes per foot from 700'-720'.
- 5. Well was acidized with 500 gallons MCA followed with frac consisting of 5,000 gallons #2 diesel and 5,000# of 20-40 sand. Well will not flow commercial quantities of gas and is making some water.

Proposed Rework Program

- 1. Move in small drilling rig or workover rig.
- 2. Fill hole with water and run cement bond log.
- 3. After reviewing bond log should the well need squeezing, shoot four 1/2" holes below the present perforations (estimated interval to be perforated 735'-736').
 - 3A. Prior to shooting squeeze holes from 735'-736', perforate and test zone from 736'-794'. A good cement bond must be present before testing this zone or it will require squeezing prior to testing.
- 4. Set cement retainer and squeeze new perforations with approximately 10 sacks of cement.
- 5. If cement bond appears to be faulty above old perforations, shoot four 1/2" holes at approximately 690" and squeeze with 10 sacks cement.
- 6. Clean out hole with 4-3/4" bit to retainer previously set at approximately 725' and frac through old perforations from 700'-720' with a high volume sand-water, liquid $\rm CO_2$ mixture.

EEL/chd 9-15-65

Form 9-331

REPAIR WELL

(Other)

VITED STATES

SUBMIT IN TRI

Form approved.

DEPARTMENT OF THE INTERIOR (Other Instructions on re-	Budget Bureau No. 42-R1424		
DEPARTMENT OF THE INTERIOR verse side)	5. LEASE DESIGNATION AND SERIAL NO.		
GEOLOGICAL SURVEY			
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Not Applicable		
OIL GAS OTHER	7. UNIT AGREEMENT NAME Ferron		
2. NAME OF OPERATOR	8. FARM OR LEASE NAME		
Pacific Natural Gas Exploration Company	Fee		
3. ADDRESS OF OPERATOR P. O. Box 2436, Salt Lake City, Utah 81110	9. WELL NO.		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface	10. FIELD AND POOL, OR WILDCAT Ferron-Ferron		
760' FNL & 560' FEL Section 14-20S-7E S.L.M.	11. SEC, T., R., M., OR BLK. AND SURVEY OR AREA Sec 14-20S-7E		
14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY OR PARISH 18. STATE		
5840' Original D.F.	Emery Utah		
Check Appropriate Box To Indicate Nature of Notice, Report, or C			
NOTICE OF INTENTION TO:	UENT REPORT OF:		
TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF FRACTURE TREAT MULTIPLE COMPLETE FRACTURE TREATMENT	REPAIRING WELL ALTERING CASING		
SHOOT OR ACIDIZE ABANDON* SHOOTING-OR ACIDIZING X	ABANDONMENT*		

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

(Other)

(See Attachment)

CHANGE PLANS

18. I hereby certify that the foregoing is true and corr	ect			
SIGNED R. D. Geddes	_ TITLE	Division Manager	DATE 11-2-65	
(This space for Federal or State office use)				
APPROVED BYCONDITIONS OF APPROVAL, IF ANY:	TITLE		DATE	

*See Instructions on Reverse Side



FERRON UNIT NO. 1-14 FLOW TEST 11-10-65 to 11-12-65 WITNESSES: BATES & SAWITKE - MFSCO. GEDDES - PNGE

<u>DATE</u>	TIME	ELAPSED TIME HOURS	WELLHEAD WORK TUBING PSIG	ING PRESSURE CASING PSIG	TEMP.	ORIFICE INCHES (2" PROVER)	RATE MCFD @ 14.65 PSIA	REMARKS
11-11-65	0945		323	323		0		Opened tubing
	0953				5.0	1/8		Opened curring
	1008	1/4	318	318	50	1/8 1/8		
	1023	1/2	316+	316+	50 52	1/8		
	1038	3/4	315	315	52	7/0		Shut-in
	1039					1/4		Opened tubing
	1040	7 /1.	200	2001	53	1/4		opened tabing
	1055	1/4	298	298+ 291	53 53	1/4		
•	1110	1/2	290	291 285	55 54	1/4		
	1125	3/4	285	200	24	1 / 1		Shut-in
	1126					3/8		Opened tubing
	1127	3 .//1	251	256	56	3/8		Opened casaria
	1142	1/4	229	241	57	3/8		
	1157	1/2 3/4	228	233	58	3/8		
	1212	3/4	220	233	30	3, 0		Shut-in
	1213 1215					1/2		Opened tubing
	1230	1/4	187	192	58	$\frac{1}{2}$	•	
•	1245	1/2	170	178	58 58	1/2		
	1300	3/4	160	164	58	1/2		
•	1515 1515	5	107	111	58 59	1/2	the second	- 19 - 19 - 19 - 19 - 19 - 19 - 19 - 19
	1700	6-3/4	85	88	56	1/2		
	1700	0 5/ 1						
12-65	0815	20	33	54	55	1/2		Very heavy mist- water & diesel
	1130	23-1/4	30	51.6	58	1/2	237	11 11 11
	1135	Z3-Z/ 1	. 50					Shut-in
	1155	1/3	91	91+		0		
	1205	1/2	97	97 -		0		
	1220	3/4	103-	103		0		
	1235	1	108-	107.5		0		
	1350	2-1/4	133	133		0		
		·= · •						

HISTORY

FERRON UNIT NO. 1-14

- 10-23-65 Barker Well Service moved in and rigged up.
- 10-24-65 Killed well with 12.0# per gallon mud. Pulled 2-3/8", 4.7#, J-55, E.U.E. tubing, 22 joints, 660' overall. Cleaned out hole with 4-3/4" bit to B.P. at 740'. Ran McCullough Gamma Log, CBL and Collar Locator. CBL indicated excellent bonding from B.P. to 594' (top of logged section).
- 10-25-65 Rig on standby due to non-availability of frac equipment.
- 10-26-65 -Ran Baker Oil Tools, Inc. fullbore packer on 2-3/8" tubing and tagged B.P. at 740. Circulated mud out of hole with fresh water. Spotted 500 gallons of 15% MCA. Pulled packer up to 695' and set packer at that depth. Injected acid at the rate of 3 B.P.M. and dropped a total of 20 ball sealers in five stages of four balls each (Dowell). Maximum pressure, 1000 psig. Pulled packer. Ran 23 joints (680.43' overall) plus one 10' pup joint of 2-3/8", 4.7#, J-55, E.U.E. open ended tubing to 700.43 (original D.F. datum). Flanged up wellhead. Fraced with sand and water down annulus and liquid CO2 down tubing. Fraced with 835 barrels of water treated with 15# of J-133 per 1000 gallons, 39,900# of 10/20 sand, and 109 barrels of liquid CO_2 . Maximum and average treating pressure 1000 psig. Maximum and average injection rate 28 B.P.M.

Released rig at 6:15 P.M. Flowing well back to cleanup.

10-30-65 - Shut well in at 12:00 Noon. Preparing to test. Details to follow.

RDG/11-2-65

XERO

XER

XERO

ITED STATES SUBMIT IN TO COMPART OF THE INTERIOR (Other instruct verse side)

Form approved.

Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

	GEOLOGICAL SURVEY		
SUNDRY NO (Do not use this form for prouse "APPI"	6 IF INDIAN, ALLOTTEE OR TRIBE NAME		
OIL GAS WELL OTHER	7. UNIT AGREEMENT NAME		
2. NAME OF OPERATOR Pacific Natural Ga	8 TARM OR LEASE NAME		
3. ADDRESS OF OPERATOR 720 West Eighth St	9. Well No.		
4. LOCATION OF WELL (Report location See also space 17 below.) At surface	10. FIELD AND POOL, OR WILDCAT 11. SMC, T., E., M., OR BLK. AND		
760' FNL & 560' FE	L Sec 14-20S-7E S.L.M.	•	SURVEY OR ARRA
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, R		12. COUNTY OR PARISH 13. STATE
16.	5840' Original D.		Emery
Cneck	Appropriate Box To Indicate Na	iture of Notice, Report, c	or Other Data
NOTICE OF IN	TENTION TO:	SUB	SEQUENT REPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*
(Other)	CHANGE PLANS	(Other)	ults of multiple completion on Well
1. Move in pulling	unit and fill 5-1/2"		
2. Place 20 sack pl3. Squeeze 5 sacks4. Place 7 sack pl	lug from 744' to 598'. between 5-1/2" casing ug in top of 5-1/2" ca ad and errect dry hole	. (20 sacks files and 8-5/8" cass	l 146) ing at surface.
 Place 20 sack place Squeeze 5 sacks Place 7 sack place Cut off well head Clean and level 	lug from 744' to 598'. between 5-1/2" casing ug in top of 5-1/2" ca ad and errect dry hole location.	. (20 sacks files and 8-5/8" cast asing. (7 sacks marker.	L 146 (a)
 Place 20 sack place Squeeze 5 sacks Place 7 sack place Cut off well head Clean and level 	lug from 744' to 598'. between 5-1/2" casing ug in top of 5-1/2" ca ad and errect dry hole	. (20 sacks files and 8-5/8" cassasing. (7 sacks marker.	Fig. 1. Surface of the second substitution of th
 Place 20 sack place Squeeze 5 sacks Place 7 sack place Cut off well head Clean and level 	lug from 744' to 598'. between 5-1/2" casing ug in top of 5-1/2" ca ad and errect dry hole location.	. (20 sacks files and 8-5/8" cas: asing. (7 sacks as marker.	Fig. at the surface of the surface o
 Place 20 sack place Squeeze 5 sacks Place 7 sack place Cut off well head Clean and level 	lug from 744' to 598'. between 5-1/2" casing ug in top of 5-1/2" ca ad and errect dry hole location.	. (20 sacks file and 8-5/8" cast asing. (7 sacks asing. (7 sacks arker. -25-67 APPROVED BY CONSERVATION	L 146) ing at surface. fill 50') UTAH Oil AND GAS COMMISSION 67 by Call M Bas All C
 Place 20 sack planes. Squeeze 5 sacks Place 7 sack planes. Cut off well head. Clean and level. Estimated time to 	lug from 744' to 598'. between 5-1/2" casing ug in top of 5-1/2" ca ad and errect dry hole location. to begin operations 2-	. (20 sacks file and 8-5/8" cast asing. (7 sacks asing. (7 sacks arker. -25-67 APPROVED BY CONSERVATION	L 146 Surface Ling at surface UTAH OIL AND GAS COMMISSION
 Place 20 sack place Squeeze 5 sacks Place 7 sack place Cut off well head Clean and level 	lug from 744' to 598'. between 5-1/2" casing ig in top of 5-1/2" ca ad and errect dry hole location. to begin operations 2-	and 8-5/8" cas: asing. (7 sacks e marker. -25-67 APPROVED BY CONSERVATION DATE: 2-17-6	ing at surface. fill 50') UTAH OIL AND GAS COMMISSION Chief Petroleum Engin
2. Place 20 sack place 3. Squeeze 5 sacks 4. Place 7 sack plue 5. Cut off well head 6. Clean and level Estimated time to 18. I hereby certify that the foregoing SIGNED E. E. Loman	lug from 744' to 598'. between 5-1/2" casing g in top of 5-1/2" ca ad and errect dry hole location. to begin operations 2-	and 8-5/8" cas: asing. (7 sacks e marker. -25-67 APPROVED BY CONSERVATION DATE: 2-17-6	L 146) ing at surface. fill 50') UTAH OIL AND GAS COMMISSION 67 by Call M Bas All C
 Place 20 sack plants. Squeeze 5 sacks. Place 7 sack plants. Cut off well head. Clean and level. Estimated time to the same same same same same same same sam	lug from 744' to 598'. between 5-1/2" casing g in top of 5-1/2" ca ad and errect dry hole location. to begin operations 2-	and 8-5/8" cas: asing. (7 sacks e marker. -25-67 APPROVED BY CONSERVATION DATE: 2-17-6	ing at surface. fill 50') UTAH OIL AND GAS COMMISSION Chief Petroleum Engin

DEPARTMENT OF THE INTERIOR (Other instruction verse side)

Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
(Do not use this form for proposals to drill or to deepen or plug back to a different Use "APPLICATION FOR PERMIT—" for such proposals.)	reservoir. Not Applicable
1.	7. UNIT AGREEMENT NAME
WELL GAS WELL OTHER	Herron
2. NAME OF OPERATOR Pacific Natural Gas Exploration Co.	8. FARM OR LEASE NAME
3. ADDRESS OF OPERATOR	Jee .
	9 WELL NO.
720 West Eighth Street; Los Angeles, California 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements	3.* 10. FIELD AND POOL, OR WILDCAT
See also space 17 below.) At surface	Gerron
	11. SEC., T., B., M., OR BLK. AND SURVEY OR AREA
760' INL & 560' HL Sec. 14-205-78 S.L.M.	
14. PERMIT NO. 15. ELEVATIONS (Show whether DE PT OR etc.)	Sec. 14-205-78
14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5840 Criginal 2.9.	12 COUNTY OR PARISH 13. STATE
16. Check Appropriate Box To Indicate Nature of Notice	Parat a Otto Dita
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHI	
FRACTURE TREAT PULL OR ALTER CASING WATER SHIT FRACTURE TREAT MULTIPLE COMPLETE FRACTURE T	
	or acidizing Abandonment
REPAIR WELL CHANGE PLANS (Other)	
Comp	s: Report results of multiple completion on Well letion or Recompletion Report and Log form.)
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give proposed work. If well is directionally drilled, give subsurface locations and measured nent to this work.)*	pertinent dates, including estimated date of starting any and true vertical depths for all markers and zones perti-
Plugged well as follows:	
rangged week as govoms:	
1 Placed 30 real also less 7441 + 5.54	
1. Placed 30 sack plug from 744' to 515'.	
2. Sougered 5 weeks between Flit	
2. Squeezed 5 sacks between $5\frac{1}{2}$ 11 casing and 8 $5/8$ 11	surface casing at surface.
3. Placed 7 sack plug in 5½" casing from 0 to 50".	
party for 12 cashing from 0 10 30.	•'
4. Cut off well head and welded dry hole marker to	는 기계 등 기계
of the state worked way twice morrised w	o 35" casinas
5. Cleaned location	그는 그는 물질하다는 그는 건강하다
•	
5. Cleaned location. Job completed 3-4-67	
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	사람들은 보고 있다. 그리는 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은
	물병실했다. 회원 원용병절
/	그 그는 그는 이 일 원칙 회장이 옮겼다. 일반 이번
Ent James	
18. I hereby certify that the foregoing is true and correct	
signed E. E. Loman title Consultant	DATE 3-31-67
(This space for Federal or State office use)	
APPROVED BY TITLE	DATE
CONDITIONS OF APPROVAL, IF ANY:	